

05-20-1999

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p. 00629.73364

Form PTO-1592 (modified)

To the Honorable Commissioner of Patents and Trademarks: Please

101040994

r copies thereof:

1. Name of Conveying Party or Parties:

Jun-ichi Okamura



Additional Names of conveying party or parties attached?

Yes No

2. Name and address of receiving party or parties:

Name: Kabushiki Kaisha Toshiba
Street: 72, Horikawa-cho, Saiwai-ku
Kawasaki-shi, Japan

Additional Name(s) and address(es) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: May 7, 1999

4. Application Number(s) or Patent Number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application Number(s): 09/245,718

B. Patent Number(s): _____

Additional Name(s) and address(es) attached? Yes No

5. Name and address of party to whom correspondence concerning the document should be mailed:

Name: Joseph M. Potenza, Esq.
Internal Address: Banner & Witcoff, 11th Floor
Street Address: 1001 G Street, N.W.
City: Washington State: D.C. Zip: 20001-4597

6. Total Number of Applications and patents involved:

- 7. Total fee (37 CFR 3.41) \$40.00
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

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May 12, 1999
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(Kabushiki Kaisha Toshiba)

ASSIGNMENT

(00629.73364)

In consideration of value received, I, having a post office address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105, Japan, and a residence as stated below next to my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled: DATA LINE CONNECTIONS WITH TWISTING SCHEME

said application having been filed on February 8, 1999 and assigned Serial No. 09/245,718 ;

hereby sell and assign to Kabushiki Kaisha Toshiba , a corporation organized and existing under the laws of JAPAN , and having a business address at 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Japan

its successors, assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said application for United States patent:

executed concurrently herewith;

executed separately herefrom:

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue, or other applications, make all rightful oaths and declarations, and

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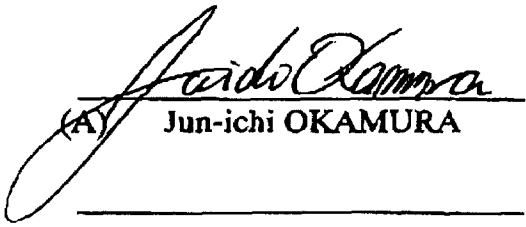
generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention in all countries.

I hereby grant Banner & Witcoff, Ltd., 11th Floor, 1001 G Street, N.W., Washington, D.C. 20001-4597 the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Inventor: _____ (Signature)

Date

Residence



(A) Jun-ichi OKAMURA

5/7/99

Yokohama, Japan

(B)

(C)

Witnesses for Inventors

(A) _____

(B) _____

(C) _____

Note: Witnesses desirable,
but not necessary

Recording Officer

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